

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 01-003  
NPDES NO. CA7000010  
KENT SEATECH CORPORATION, OWNER/OPERATOR  
FISH FARM  
Mecca – Riverside County

Location of Discharge: E ½ of the SE¼ of Section 24 and E½ of NE¼ of Section 25, T7S, R8E, SBB&M.

MONITORING

The collection, preservation and holding times of all samples shall be in accordance with United States Environmental Protection Agency (USEPA) approved procedures. Unless otherwise approved by the Regional Board's Executive Officer, all analyses shall be conducted by a laboratory certified by the State Department of Health Services. All analyses shall be conducted in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants" (40 CFR 136), promulgated by the USEPA.

Compliance with the effluent limitations shall be determined at end of the discharge pipe.

If the facility is not in operation, or there is no discharge during a required reporting period, the discharger shall forward a letter to the Regional Board indicating that there has been no activity during the required reporting period.

Monitoring parameters that require on-site collection, such as pH, temperature and dissolved oxygen, can be performed by Kent SeaTech staff.

EFFLUENT MONITORING

Effluent discharged to the Coachella Valley Storm Water Channel shall be monitored for constituents indicated below. A sampling station shall be established where representative samples of the effluent can be obtained.

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Volume of Discharge	MGD <sup>1</sup>	Measurement	Average Daily Reported Monthly
20°C BOD <sub>5</sub>	mg/L <sup>2</sup>	24-hr Composite	Monthly
Total Suspended Solids	mg/L	24-hr Composite	Monthly
Hydrogen Ion	pH Units	Grab at Peak Flow	Monthly

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<sup>1</sup> MGD - Million Gallons-per-Day

<sup>2</sup> mg/L - milligrams per Liter

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/L	Grab	Monthly
Total Nitrogen (as N)	mg/L	Grab	Monthly
Sulfate	mg/L	Grab	Monthly
Phosphate	mg/L	Grab	Monthly
Nitrate (as N)	mg/L	Grab	Monthly
Turbidity	NTU <sup>3</sup>	Grab	Monthly
Total Ammonia (as N)	mg/L	Grab	Monthly

#### RECEIVING WATER MONITORING

Representative samples upstream and downstream from the point of discharge shall be collected and analyzed in accordance with the following:

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Dissolved Oxygen	mg/L	Grab	Monthly
Hydrogen Ion	pH Units	Grab	Monthly
Total Nitrogen (as N)	mg/L	Grab	Monthly
Ammonia (as N)	mg/L	Grab	Monthly
Phosphate	mg/L	Grab	Monthly
Sulfate	mg/L	Grab	Monthly

#### EFFLUENT TOXICITY TESTING

The discharger shall conduct chronic toxicity testing on the effluent as follows:

<u>Test</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Test</u>
Chronic Toxicity	TU <sub>c</sub>	24-Hr. Composite	Quarterly
Acute Toxicity <sup>4</sup>	% survival	24-Hr. Composite	Quarterly

<sup>3</sup> NTU – Nephelometric Turbidity Units

<sup>4</sup> Acute bioassay may be calculated from chronic bioassay test.

Both test species given below shall be used to measure chronic toxicity:

<u>Species</u>	<u>Effect</u>	<u>Test Duration (Days)</u>	<u>Reference</u>
Fathead Minnow (Pimephales Promelas)	Larval Survival	7	EPA/600/4-91/002 (Chronic) EPA/600/4-90/027F (Acute)
Water Flea (Ceriodaphnia dubia)	Survival; Number of Young	7	EPA/600/4-91/002 (Chronic) EPA/600/4-90/027F (Acute)

Toxicity Test Reference: Methods for measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms, Fourth Edition, EPA/600-4-90-027F, August 1993. Short Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Water for Freshwater Organisms, EPA/600/4-91/002, July 1994.

Dilution and control waters may be obtained from an unaffected area of receiving waters. Standard dilution is an option and may be used if the above source is suspected to have toxicity greater than 1.0  $tu_c$ . The sensitivity of the test organism to a reference toxicant shall be determined concurrently with each bioassay and reported with the test results.

Chronic toxicity may be expressed and reported as toxic units ( $tu_c$ ) where:

$$tu_c = 100/NOEC$$

and the No Observed Effect Concentration (NOEC) is expressed as the maximum percent effluent of test water that causes no observed effect on a test organism, as determined in a critical life stage toxicity test indicated above.

Acute toxicity may be calculated from the results of the chronic toxicity test described above and shall be reported along with the results of each chronic test. Acute toxicity shall be expressed as percent survival of test organism over a 96-hour period in 100 % effluent.

### REPORTING

1. The discharger shall arrange the data in tabular form so that the specified information is readily discernible. The data should be summarized in such a manner as to clearly illustrate whether the treatment system is operating in compliance with the discharge limitations.
2. Records of monitoring information shall include:
  - a. The date, exact place, and time of sampling or measurements;
  - b. The individual(s) who performed the sampling or measurements;
  - c. The date(s) analyses were performed;
  - d. The individual(s) who performed the analyses;
  - e. The analytical techniques or methods used; and
  - f. The results of such analyses.

3. Monitoring reports shall be certified under penalty of perjury to be true and correct, and shall contain the required information at the frequency designated in this monitoring report.
4. Each report shall contain the following statement:

"I declare under the penalty of law that I personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."
5. A duly authorized representative of the discharger may sign the documents if:
  - a. The authorization is made in writing by the person described above; and
  - b. The authorization specified an individual or person having the responsibility for the overall operation; and
  - c. The written authorization is submitted to the Regional Board's Executive Officer.
6. Reporting of any failure in the facility (wastewater treatment plant, and collection and disposal systems) shall be as described in Provision No. 21. Results of any analysis performed as a result of a failure shall be provided within ten (10) working days after collection of the sample.
7. Monthly and daily reports shall be submitted to the Regional Board by the 15<sup>th</sup> day of the following month. Quarterly monitoring reports shall be submitted to the Regional Board by January 15, April 15, July 15, and October 15 of each year. Annual monitoring report shall be submitted to the Regional Board by January 15 of each year.
8. Reports shall be submitted to:

California Regional Water Quality Control Board  
Colorado River Basin Region  
73-720 Fred Waring Drive, Suite 100  
Palm Desert, CA 92260

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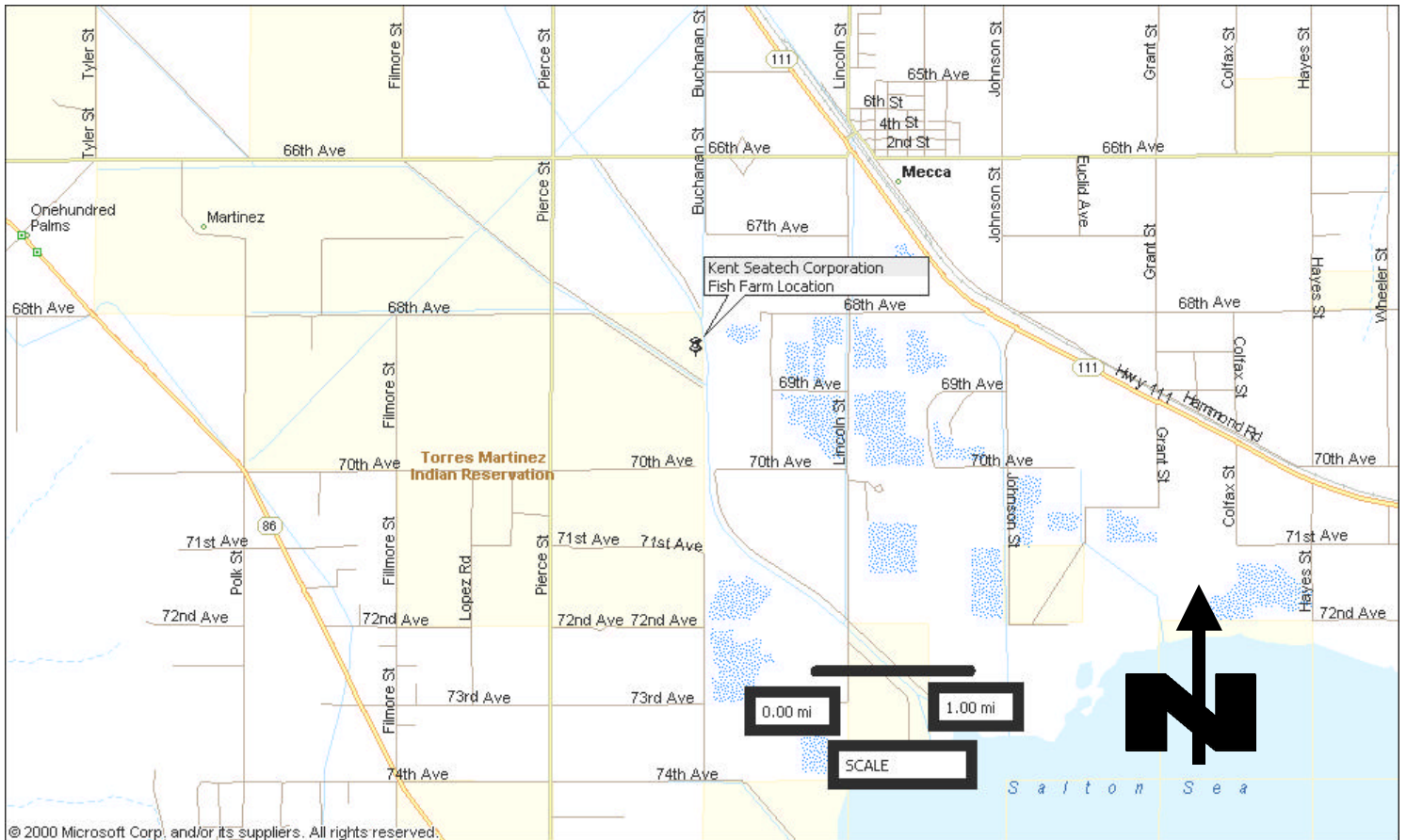
Executive Officer

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May 9, 2001

Date

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION**



**SITE MAP**

**KENT SEATECH CORPORATION, OWNER/OPERATOR  
FISH FARM**

Mecca – Riverside County

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